#8

PCT09

RAW SEQUENCE LISTING DATE: 02/08/2002
PATENT APPLICATION: US/09/936,205 TIME: 11:26:41

Input Set : A:\37945-0024.txt
Output Set: N:\CRF3\02082002\I936205.raw

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      <110> APPLICANT: SMITH, Richard Anthony Godwin
            PRATT, Julian Roy
            SACKS, Steven Howard
      <120> TITLE OF INVENTION: ORGAN TRANSPLANT SOLUTIONS CONTAINING CONJUGATES OF
            SOLUBLE PEPTIDIC COMPOUNDS WITH MEMBRANE-BINDING
      <130> FILE REFERENCE: 37945-0024
      <140> CURRENT APPLICATION NUMBER: US 09/936,205
C-->  <141> CURRENT FILING DATE: 2001-12-07
      <150> PRIOR APPLICATION NUMBER: PCT/GB00/00834
      <151> PRIOR FILING DATE: 2000-03-08
      <150> PRIOR APPLICATION NUMBER: GB 9905503.0
      <151> PRIOR FILING DATE: 1999-03-10
      <160> NUMBER OF SEQ ID NOS: 11
      <170> SOFTWARE: PatentIn Ver. 2.1
      <210> SEQ ID NO: 1
      <211> LENGTH: 215
      <212> TYPE: PRT
      <213> ORGANISM: Artificial Sequence
      <220> FEATURE:
      <223> OTHER INFORMATION: Linear, 2 polypeptide chains disulphide linked
      <220> FEATURE:
      <221> NAME/KEY: DISULFID
      <222> LOCATION: (198)..(199)
      <220> FEATURE:
      <223> OTHER INFORMATION: 2nd polypeptide chain (199-215) runs C to N
            terminus
      <220> FEATURE:
      <223> OTHER INFORMATION: An N-myristoyl group is at the N-terminus of the
            second polypeptide chain
      <220> FEATURE:
      <223> OTHER INFORMATION: A CONH2 group is at the C terminus of the second
            polypeptide chain
      <220> FEATURE:
      <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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Met Gln Cys Asn Ala Pro Glu Trp Leu Pro Phe Ala Arg Pro Thr Asn
  1               5                  10                  15
Leu Thr Asp Glu Phe Glu Phe Pro Ile Gly Thr Tyr Leu Asn Tyr Glu
             20                  25                  30
Cys Arg Pro Gly Tyr Ser Gly Arg Pro Phe Ser Ile Ile Cys Leu Lys
         35                  40                  45
Asn Ser Val Trp Thr Gly Ala Lys Asp Arg Cys Arg Arg Lys Ser Cys
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65      50                  55                  60
67 Arg Asn Pro Pro Asp Pro Val Asn Gly Met Val His Val Ile Lys Gly
68  65                  70                  75                  80
70 Ile Gln Phe Gly Ser Gln Ile Lys Tyr Ser Cys Thr Lys Gly Tyr Arg
71                  85                  90                  95
73 Leu Ile Gly Ser Ser Ser Ala Thr Cys Ile Ile Ser Gly Asp Thr Val
74              100                 105                 110
76 Ile Trp Asp Asn Glu Thr Pro Ile Cys Asp Arg Ile Pro Cys Gly Leu
77          115                 120                 125
79 Pro Pro Thr Ile Thr Asn Gly Asp Phe Ile Ser Thr Asn Arg Glu Asn
80      130                 135                 140
82 Phe His Tyr Gly Ser Val Val Thr Tyr Arg Cys Asn Pro Gly Ser Gly
83 145                 150                 155                 160
85 Gly Arg Lys Val Phe Glu Leu Val Gly Glu Pro Ser Ile Tyr Cys Thr
86                  165                 170                 175
88 Ser Asn Asp Asp Gln Val Gly Ile Trp Ser Gly Pro Ala Pro Gln Cys
89              180                 185                 190
91 Ile Ile Pro Asn Lys Cys Cys Asp Gly Pro Lys Lys Lys Lys Lys Lys
92          195                 200                 205
94 Ser Pro Ser Lys Ser Ser Gly
95      210                 215
98 <210> SEQ ID NO: 2
99 <211> LENGTH: 218
100 <212> TYPE: PRT
101 <213> ORGANISM: Artificial Sequence
103 <220> FEATURE:
104 <223> OTHER INFORMATION: 2 polypeptide chains disulphide linked
106 <220> FEATURE:
107 <221> NAME/KEY: DISULFID
108 <222> LOCATION: (198)..(199)
110 <220> FEATURE:
111 <223> OTHER INFORMATION: The second polypeptide chain (199-218) runs C to N
112       terminus
114 <220> FEATURE:
115 <223> OTHER INFORMATION: An N-Myristoyl group is at the N terminus of the
116       second polypeptide chain
118 <220> FEATURE:
119 <223> OTHER INFORMATION: A CONH2 group is at the C terminus of the second
120       polypeptide chain
122 <220> FEATURE:
123 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
124       peptide reagent
126 <400> SEQUENCE: 2
127 Met Gln Cys Asn Ala Pro Glu Trp Leu Pro Phe Ala Arg Pro Thr Asn
128   1               5                  10                  15
130 Leu Thr Asp Glu Phe Glu Phe Pro Ile Gly Thr Tyr Leu Asn Tyr Glu
131              20                  25                  30
133 Cys Arg Pro Gly Tyr Ser Gly Arg Pro Phe Ser Ile Ile Cys Leu Lys
134          35                  40                  45
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136 Asn Ser Val Trp Thr Gly Ala Lys Asp Arg Cys Arg Arg Lys Ser Cys
137      50                  55                  60
139 Arg Asn Pro Pro Asp Pro Val Asn Gly Met Val His Val Ile Lys Gly
140  65                  70                  75                  80
142 Ile Gln Phe Gly Ser Gln Ile Lys Tyr Ser Cys Thr Lys Gly Tyr Arg
143                  85                  90                  95
145 Leu Ile Gly Ser Ser Ser Ala Thr Cys Ile Ile Ser Gly Asp Thr Val
146             100                 105                 110
148 Ile Trp Asp Asn Glu Thr Pro Ile Cys Asp Arg Ile Pro Cys Gly Leu
149         115                 120                 125
151 Pro Pro Thr Ile Thr Asn Gly Asp Phe Ile Ser Thr Asn Arg Glu Asn
152     130                 135                 140
154 Phe His Tyr Gly Ser Val Val Thr Tyr Arg Cys Asn Pro Gly Ser Gly
155 145                 150                 155                 160
157 Gly Arg Lys Val Phe Glu Leu Val Gly Glu Pro Ser Ile Tyr Cys Thr
158                 165                 170                 175
160 Ser Asn Asp Asp Gln Val Gly Ile Trp Ser Gly Pro Ala Pro Gln Cys
161             180                 185                 190
163 Ile Ile Pro Asn Lys Cys Cys Ala Asp Leu Arg Ser Ser Leu Gly Pro
164         195                 200                 205
166 Lys Lys Lys Lys Lys Lys Ser Pro Ser Gly
167     210                 215
170 <210> SEQ ID NO: 3
171 <211> LENGTH: 20
172 <212> TYPE: PRT
173 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: An N-myristoyl group is at the N terminus of the
177       polypeptide chain
179 <220> FEATURE:
180 <223> OTHER INFORMATION: A CONH2 group is at the C-terminus of the
181       polypeptide chain
183 <220> FEATURE:
184 <223> OTHER INFORMATION: An S-2-Thiopyridyl group is attached to the
185       C-terminal cysteine
187 <220> FEATURE:
188 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
189       peptide reagent
191 <400> SEQUENCE: 3
192 Gly Ser Pro Ser Lys Lys Lys Lys Lys Lys Pro Gly Leu Ser Ser Arg
193   1               5                  10                  15
195 Leu Asp Ala Cys
196              20
199 <210> SEQ ID NO: 4
200 <211> LENGTH: 20
201 <212> TYPE: PRT
202 <213> ORGANISM: Artificial Sequence
204 <220> FEATURE:
205 <223> OTHER INFORMATION: A CONH2 group is at the C terminus
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207 <220> FEATURE:
208 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
209 peptide
211 <400> SEQUENCE: 4
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213 1 5 10 15
215 Leu Asp Ala Cys
216 20
219 <210> SEQ ID NO: 5
220 <211> LENGTH: 9
221 <212> TYPE: PRT
222 <213> ORGANISM: Artificial Sequence
224 <220> FEATURE:
225 <223> OTHER INFORMATION: Description of Artificial Sequence: A peptidic
226 membrane binding element of SEQ ID NO: 4
228 <400> SEQUENCE: 5
229 Pro Ser Lys Lys Lys Lys Lys Lys Pro
230 1 5
233 <210> SEQ ID NO: 6
234 <211> LENGTH: 7
235 <212> TYPE: PRT
236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: Description of Artificial Sequence: A peptidic
240 membrane binding element of SEQ ID NO: 4
242 <400> SEQUENCE: 6
243 Leu Ser Ser Arg Leu Asp Ala
244 1 5
247 <210> SEQ ID NO: 7
248 <211> LENGTH: 16
249 <212> TYPE: PRT
250 <213> ORGANISM: Artificial Sequence
252 <220> FEATURE:
253 <223> OTHER INFORMATION: Description of Artificial Sequence: Example of
254 electrostatic switch sequence
256 <400> SEQUENCE: 7
257 Asp Gly Pro Lys Lys Lys Lys Lys Lys Ser Pro Ser Lys Ser Ser Gly
258 1 5 10 15
261 <210> SEQ ID NO: 8
262 <211> LENGTH: 16
263 <212> TYPE: PRT
264 <213> ORGANISM: Artificial Sequence
266 <220> FEATURE:
267 <223> OTHER INFORMATION: Description of Artificial Sequence: Example of
268 electrostatic switch sequence
270 <400> SEQUENCE: 8
271 Gly Ser Ser Lys Ser Pro Ser Lys Lys Lys Lys Lys Lys Pro Gly Asp
272 1 5 10 15
275 <210> SEQ ID NO: 9

<211> LENGTH: 20
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: Example of electrostatic switch sequence
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1 5 10 15
Lys Lys Ser Gly
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<212> TYPE: PRT
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1 5 10 15
<210> SEQ ID NO: 11
<211> LENGTH: 14
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: Example of electrostatic switch sequence
<400> SEQUENCE: 11
Ser Lys Asp Gly Lys Lys Lys Lys Lys Lys Ser Lys Thr Lys
1 5 10

VERIFICATION SUMMARY DATE: 02/08/2002
PATENT APPLICATION: US/09/936,205 TIME: 11:26:42

Input Set : A:\37945-0024.txt
Output Set: N:\CRF3\02082002\I936205.raw

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date